VISO SYSTEMS
LabSpion

Assembly Manual

Congratulations on purchasing your new Viso Systems product. Before using this product, please read the Safety Information.

This manual contains descriptions and troubleshooting necessary to install and operate your new Viso Systems product. Please review this manual thoroughly to ensure proper installation and operation.

For news, Q&A and support at Viso Systems, visit our website at
www.visosystems.com

Contents

1. Package content and weight

Main components/assemblies

Base – 28 kg

Tower – 13
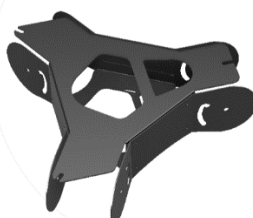
Stand leg parts (3 pcs) – 12 kg

Stand center – 10 kg

C-Plane Head – 6 kg

REF-800 - 1 kg

Tripod – 5 kg

C-Plane Bracket – 3 kg

Cali T50 – 3 kg

Sensor – 8 Kg

Other components included in the package:

Lamp Holder E27 – 0,5 kg

Cross Hair Laser - 0,5 kg

Laser Distance Plate - 0,1 kg

Assembly parts and cables

1 x IEC 2m Cable

1 x USB 5m Cable

1 x RJ45 3m Cable

1 x RJ45 25m Cable

2 x Steel Rod with angle

1 x Steel Rod

4 x Caps for Steel Rod

3 x Handles for base
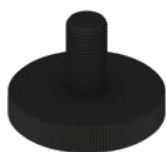
2 x Handles for Lamp Brackets

2 x Lamp Brackets

2 x Spacer for Lamp Brackets

8 x Spacer for C-Plane

3 x Screws for Base

8 x Screws for C-Plane

2 x Thumb screws for Laser distance Plate

Adaptors: E14, B22, GU10

2. Package dimensions and weight

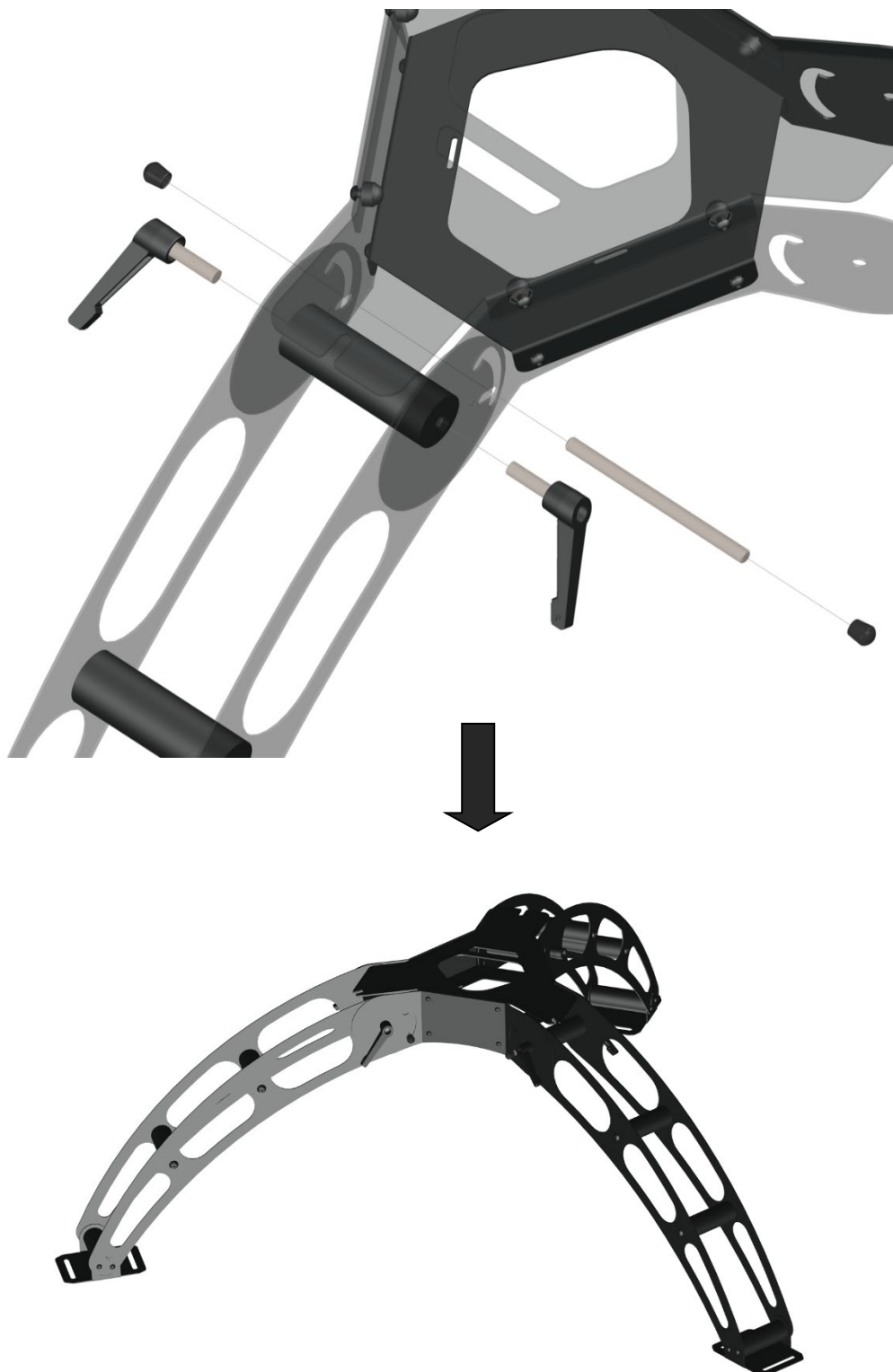| Shipping Packages	Shipping Dimensions	Shipping Volume	Weight
1. Sensor + Cali	570 x 570 x 340 mm	0.110 m^3	10 kg
2. Base	520 x 520 x 220 mm	0.059 m^3	31 kg
3. Bracket + Tripod + Assembly Parts	1,490 x 250 x 250 mm	0.093 m^3	17 kg
4. Tower + C-plane Gonio	1,200 x 350 x 450 mm	0.189 m^3	23 kg
5. Stand center	570 x570 x 340 mm	0.110 m^3	10 kg
5. Stand legs	920 x 430 x 270 mm	0.107 m^3	12 kg

Total shipping weight: 103 kg.
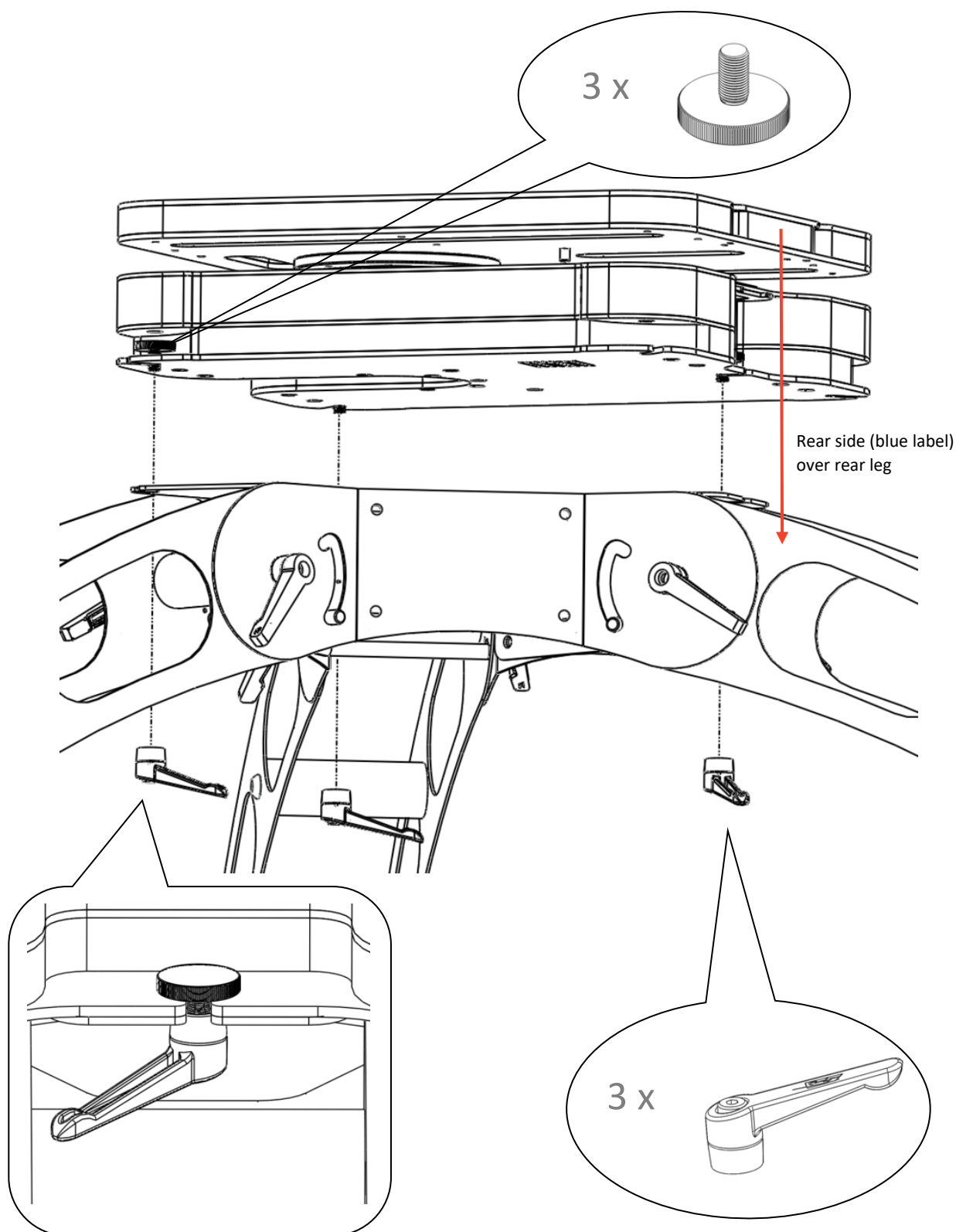Total shipping CBM: 0,669 m^3
The shipment is done in a total of 6 packages.

3.Stand assembly

Assemble the stand by attaching the three legs one by one.
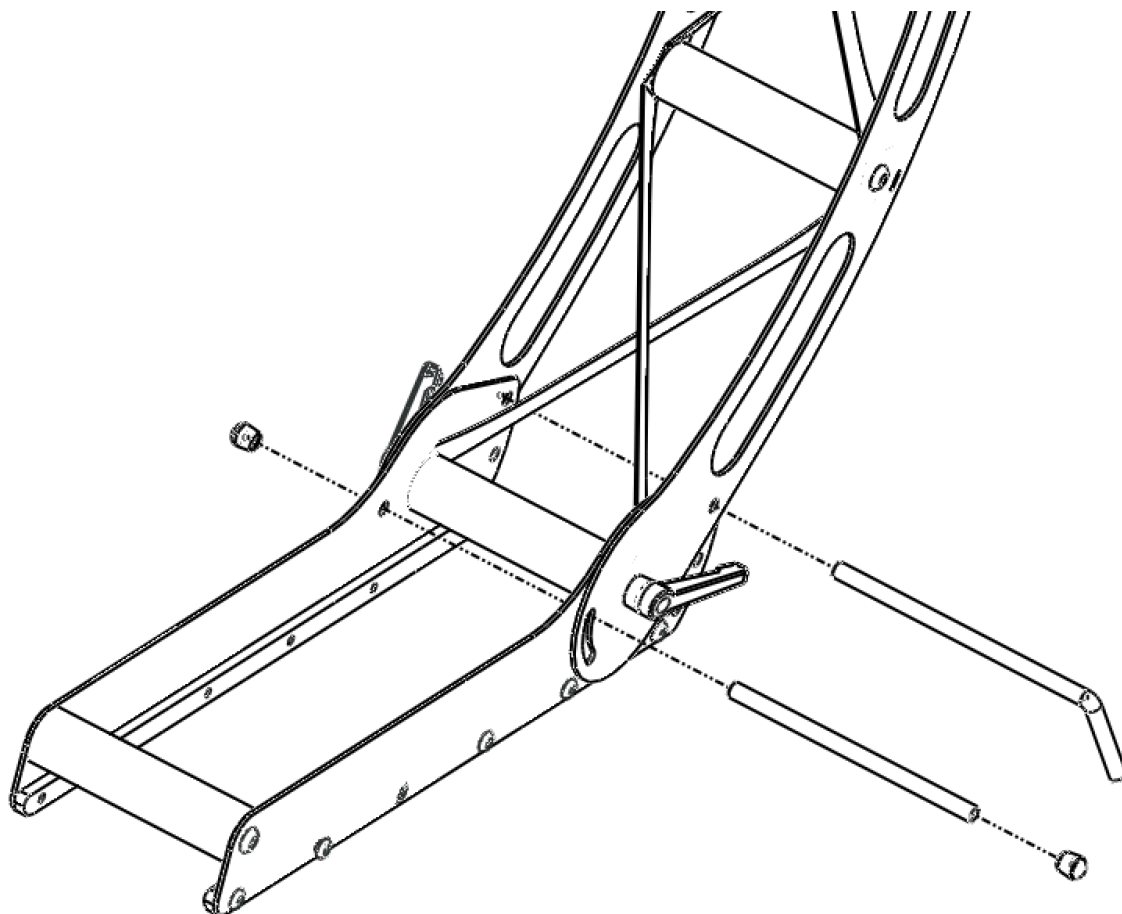
4. Mount Base on Stand

3 x

Rear side (blue label)
over rear leg

3 x

5. Assemble C-Plane Gonio – Lamp Bracket

7 x

Countersunk holes away from C-Plane Head

7 x

2 x
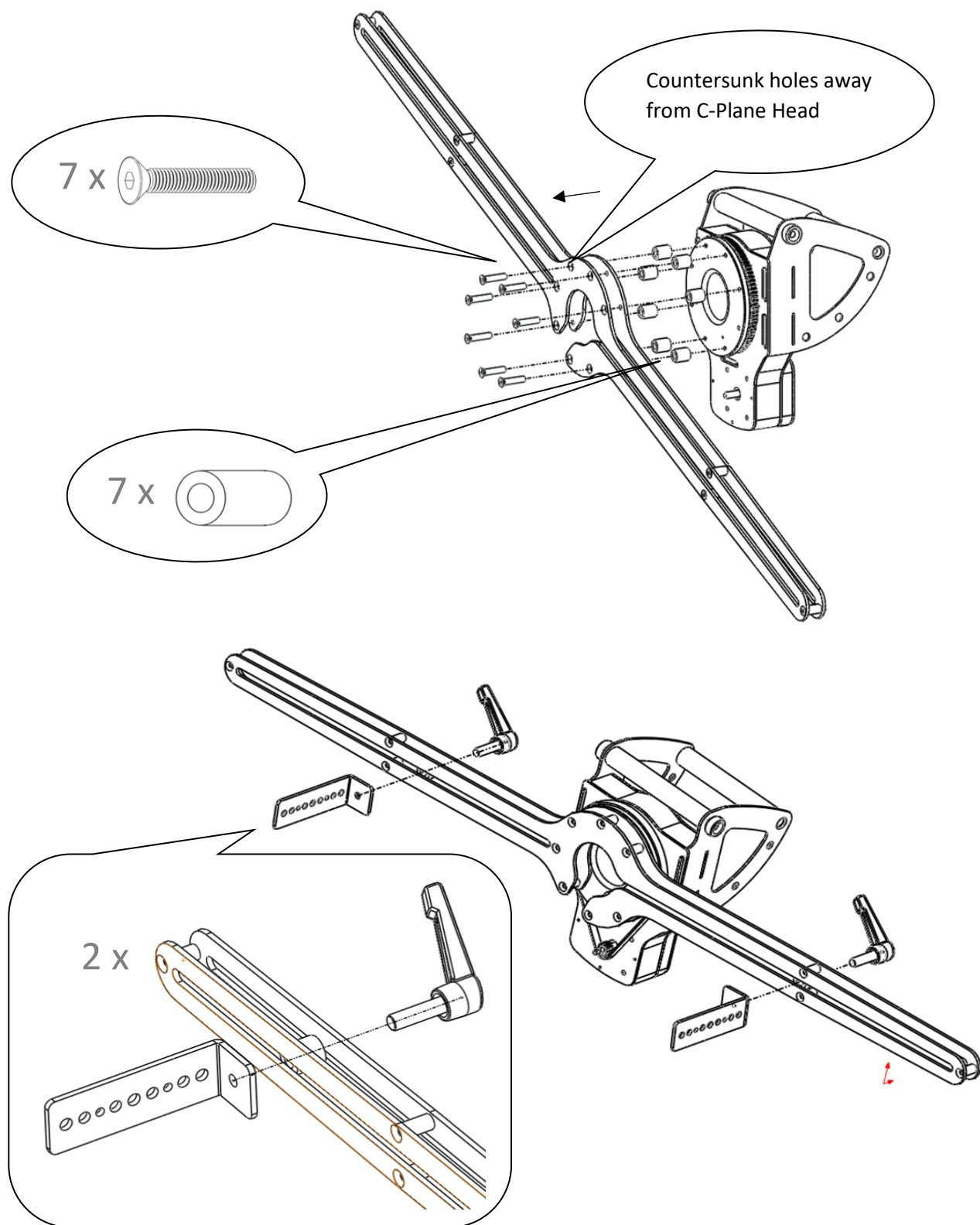
5.1. Attach Steel Pins to Tower

5.2. Tower + C-Plane Gonio

6. Place on floor

Place the gonio in one end of the laboratory space – one leg and 'base lock' turned toward the back wall.

6.1. Level Base

Low   High
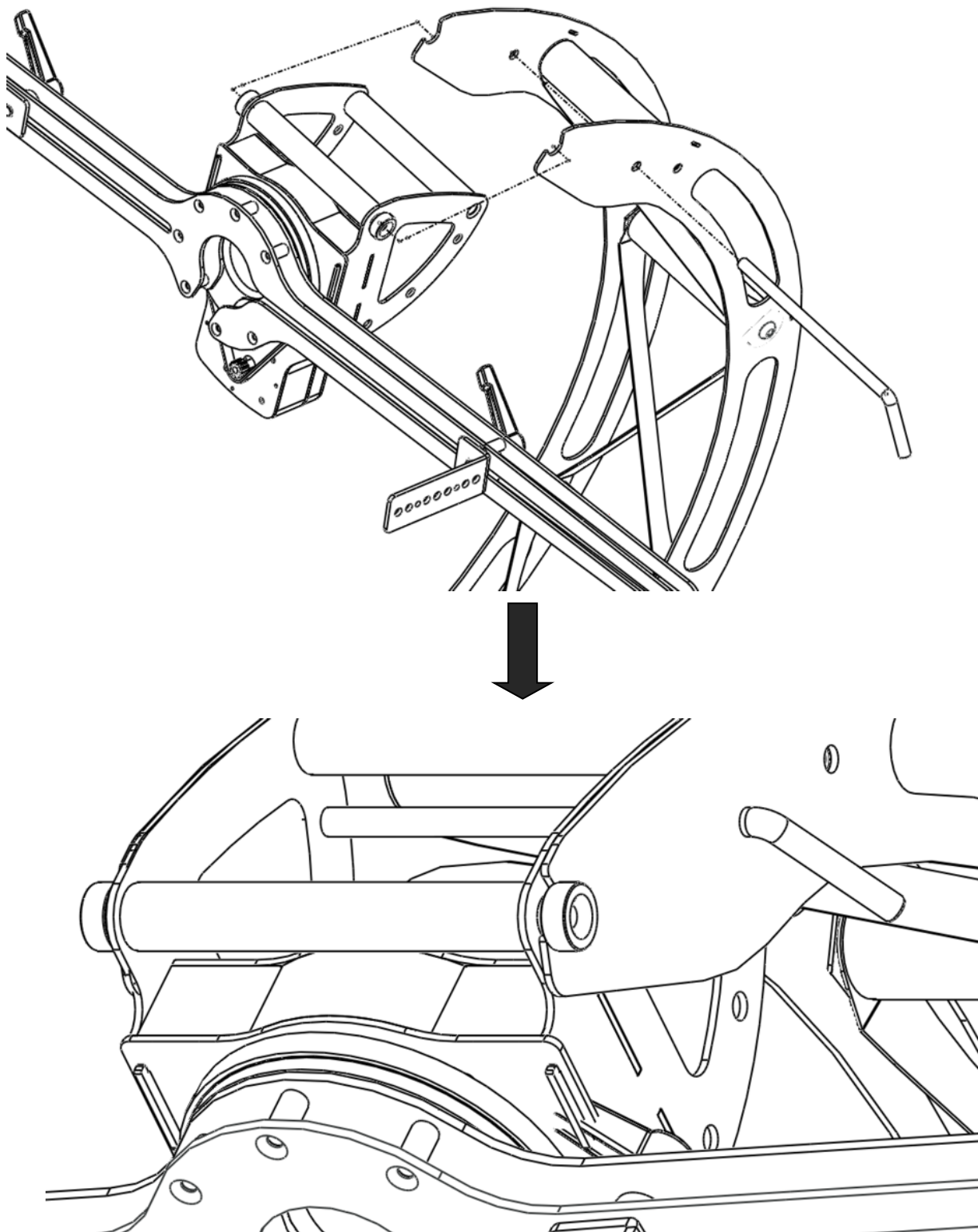
6.2. Slide Tower onto the Base

Handle to face forward
toward sensor!

Base lock (blue marking)
to face backward

Two legs to face forward
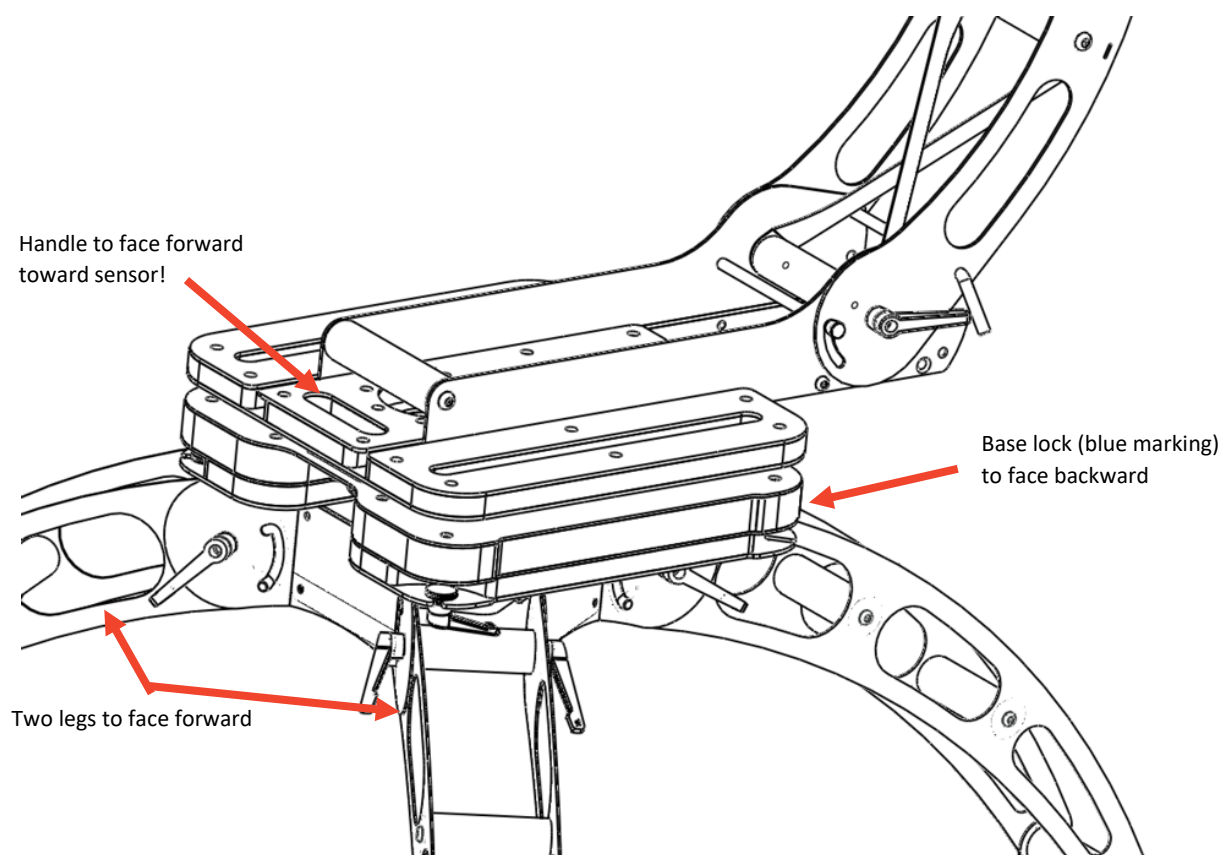
7. Mount Sensor on Tripod

Slide on the sensor while activating the square blue button on the end. When in place, tighten the small upper-most handle to secure the sensor position. To turn the handle more than 180 degrees, pull out this small handle to disengage, and turn the handle only, before letting go again to engage with the screw.

8. Cable connections

Below is a connection diagram showing the cable configuration. Please refer to the user manual for further details.

Lamp Power

Mains In
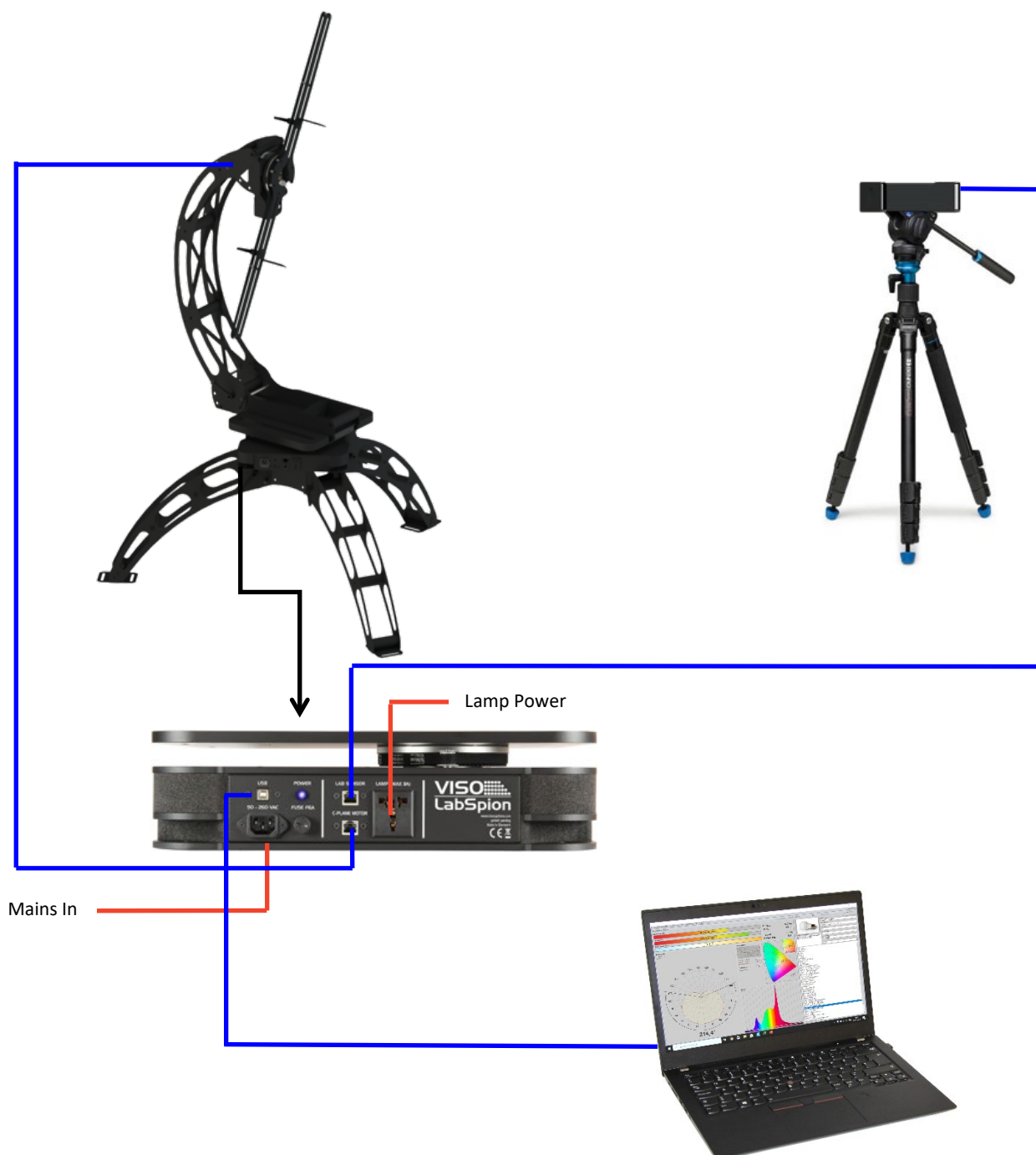
The RJ45 cable connected the base and the c-plane motor must be mounted like this to avoid getting entangled. (Do likewise when connecting a light-source to the system).
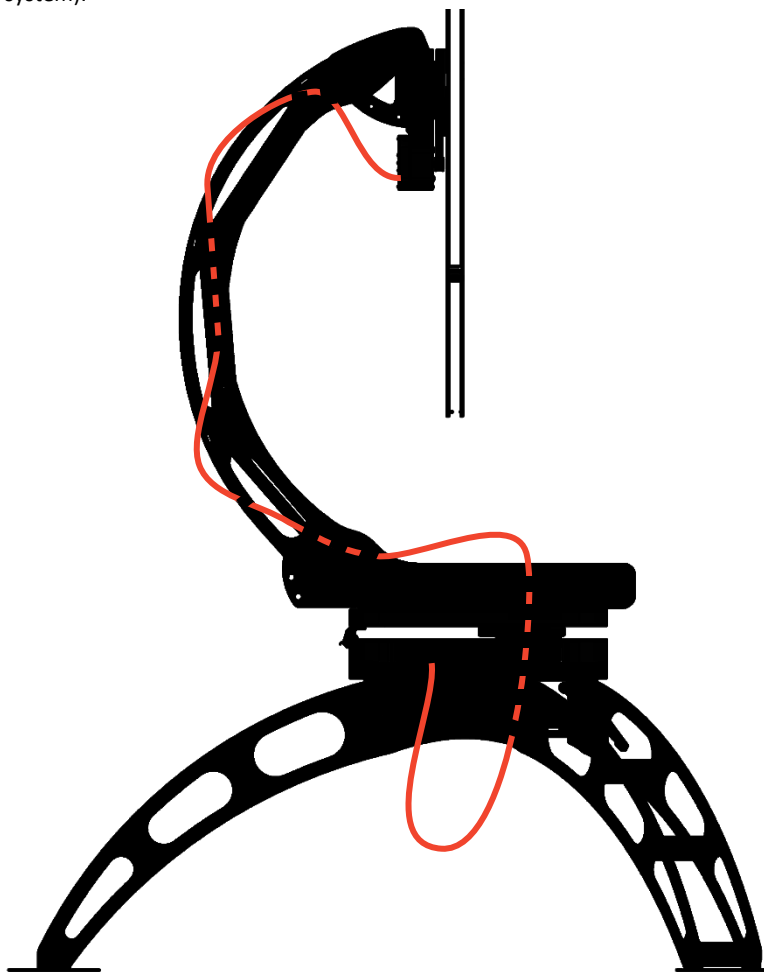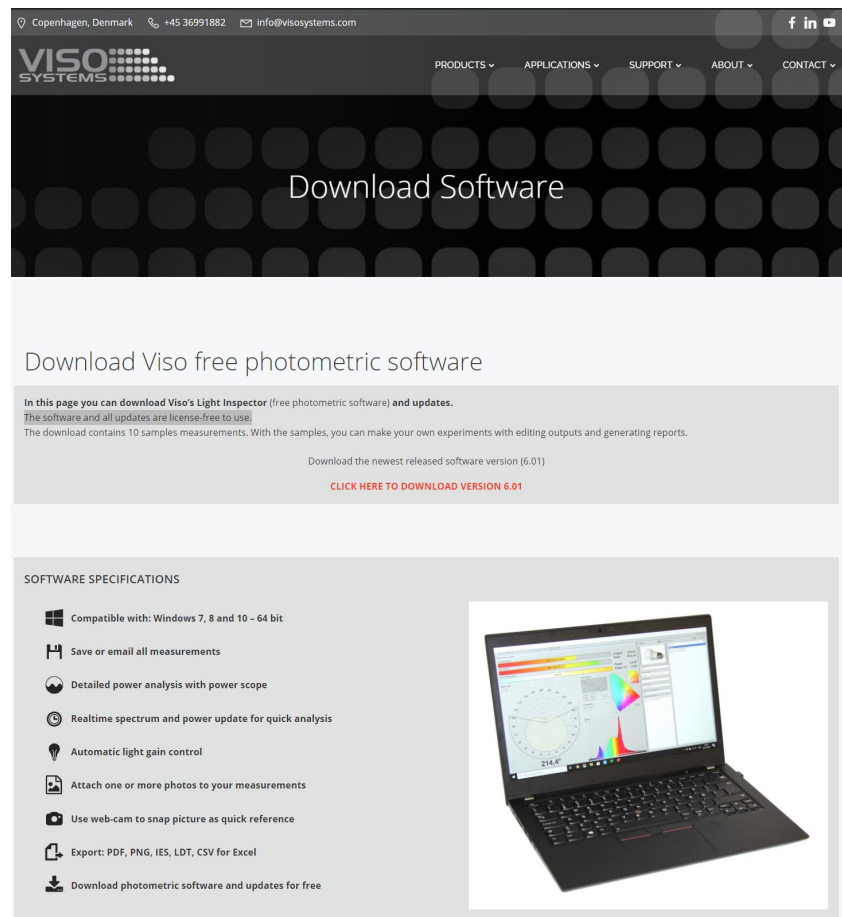
9. Software

9.1. First download

Please download the latest released software (Viso Light Inspector) version to your PC to run your new goniospectrometer solution. You will find the software here:

https://www.visosystems.com/download-light-inspector/

The full software and all updates are license-free to use. You may download the software to as many PC's as you wish.

9.2. Software updates

Viso Systems releases software updates 2-4 times per year. Update your software to gain access to system improvements and new features. All new software updates are backward compatible with existing Viso units. Your system will continue working also without updating.